

 These are *in vitro* diagnostic products, and are not available for sale or use within North America.

Workflow Summary

- 01 Using gloved hands, remove the Master Mixes from the freezer. Allow the tubes to thaw; then gently vortex to mix.
 - 02 In a containment hood or dead air box, pipette 45 µL of Master Mix into individual wells of a PCR plate (a different indexed Master Mix should be used for each sample and control).
 - 03 Add 0.2 µL Taq DNA polymerase to each Master Mix.
 - 04 Add 5 µL of DNA (at a minimum concentration of 10 ng/µL) from the unknown and 5 µL of control samples to wells containing the respective Master Mix reactions, and pipette up and down 5-10 times to mix.
 - 05 Add 5 µL of molecular biology grade water to the well containing the respective Master Mix for the no template control, and pipette up and down 5-10 times to mix.
 - 06 Seal the plate and amplify target DNA using the following thermocycler program:
- 07 Remove the amplification plate from the thermocycler.
 - 08 Purify the PCR products using the Agencourt® AMPure® XP PCR Purification system. Add 90 µL of particles to each 50 µL reaction; elute DNA in 40 µL TE buffer.
 - 09 Quantify amplicons with an appropriate method (e.g. 2100 Bioanalyzer® or LabChip® GX).
 - 10 Create the library by combining an equal amount of each amplicon in a tube (do not include the no template control).
 - 11 Dilute the library.
 - 12 Prepare templates using the OT2 or Ion Chef system.
 - 13 Initialize the S5 or PGM. Load S5 [Ion 520, Ion 530] or PGM chip [316 v2 BC, 318 v2 BC].
 - 14 Create a Planned Run using the Torrent Browser.
 - 15 Start the Ion S5 or Ion PGM run.
 - 16 Analyze and visualize the acquired data using the LymphoTrack Dx Software for the Ion S5/PGM.

Standardized Program


Step	Temperature	Time	Cycle
1	95 °C	7 minutes	1
2	95 °C	45 seconds	29x
3	60 °C	45 seconds	
4	72 °C	90 seconds	
5	72 °C	10 minutes	1
6	15 °C	∞	1

Storage Conditions: -85 °C to -65 °C (DNA controls may be separated from kits and stored at 2 °C to 8 °C).

NOTE: Always follow the applicable instructions for use (IFU) when testing samples.

Ordering Information

CATALOG #	PRODUCTS	QUANTITY
9-121-0057	LymphoTrack® Dx <i>IGH</i> FR1/2/3 Assay - S5/PGM™	12 + 12 + 12 indices - 5 sequencing reactions each
9-121-0007	LymphoTrack® Dx <i>IGH</i> FR1 Assay - S5/PGM™	12 indices - 5 sequencing reactions each
9-121-0037	LymphoTrack® Dx <i>IGH</i> FR2 Assay - S5/PGM™	12 indices - 5 sequencing reactions each
9-121-0047	LymphoTrack® Dx <i>IGH</i> FR3 Assay - S5/PGM™	12 indices - 5 sequencing reactions each
9-122-0007	LymphoTrack® Dx <i>IGK</i> Assay - S5/PGM™	12 indices - 5 sequencing reactions each
9-227-0007	LymphoTrack® Dx <i>TRG</i> Assay - S5/PGM™	12 indices - 5 sequencing reactions each
9-500-0007	LymphoTrack® Dx Software - S5/PGM™	1 CD complimentary with purchase

 These are *in vitro* diagnostic products, and are not available for sale or use within North America.

©2019 Invivoscribe, Inc. (Invivoscribe®). All rights reserved. The trademarks mentioned herein are the property of Invivoscribe and/or its affiliates, or (as to the trademarks of others used herein) their respective owners. Ion S5™ and Ion PGM™, HI-Q™, ONETOUCH™, ION CHEF™, ION 316™, ION 318™, ION 510™, ION 520™ and ION 530™ are trademarks of Thermo Fisher Scientific or its subsidiaries. AGILENT® and BIOANALYZER® are registered trademarks of Agilent Technologies, Inc. AGENCOURT® is a registered trademark of Beckman Coulter, Inc. LABCHIP® is a registered trademark of Perkin Elmer.